

4/24/07

PTO/SB/08A/B (09-06)

Approved for use through 03/31/2007. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/789,100-Conf. #7692
				Filing Date	February 27, 2004
				First Named Inventor	Douglas S. Lacy
				Art Unit	3644
				Examiner Name	S. A. Holzen
Sheet	1	of	1	Attorney Docket Number	030048107US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SH		US-2,282,516	05-12-1942	Hans et al.	
		US-2002-0184885	12-02-2002	Blot-Carretero et al.	
		US-20040016556	01-29-2004	Barber	
		US-20040217575	11-04-2004	Beaujot et al.	
		US-20060245882	11-02-2006	Khan et al.	
		US-3,203,647	08-31-1965	Alvarez-Calderon	
		US-3,375,998	04-02-1968	Alvarez-Calderon	
		US-3,423,858	01-28-1969	Speno	
		US-3,504,870	04-07-1970	Cole et al.	
		US-3,804,267	04-16-1974	Cook et al.	
		US-3,807,447	04-30-1974	Masuda	
		US-3,913,450	10-21-1975	MacGregir	
		US-3,991,574	11-16-1976	Frazier	
		US-3,994,451	11-30-1976	Cole	
		US-4,459,084	07-10-1984	Clark	
		US-4,784,355	11-15-1988	GERALD T. BRINE	
		US-4,856,735	08-15-1989	MICHAEL LOTZ	
		US-6,481,667	11-19-2002	Ho	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
SH		EP-1338506	08-27-2003	Fairchild Dornier GmbH	

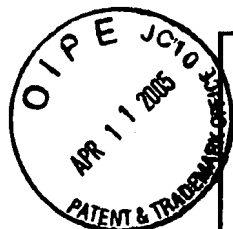
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	S. Holzen	Date Considered	5-31-07
--------------------	-----------	-----------------	---------



Substitute for form 1449A/B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/789,100-Conf. #7692
		Filing Date	February 27, 2004
		First Named Inventor	Douglas S. Lacy
		Art Unit	3644
		Examiner Name	S. A. Holzen
		Attorney Docket Number	030048107US
Sheet	1	of	2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SH		US-2,892,312	06-30-1959	Allen et al.	
		US-2002-0046087	04-18-2002	John Hey	
		US-2002-0100842-A1	11-11-2003	Perez	
		US-20020074459-A1	03-25-2003	Gleine et al.	
		US-2004-0195464-A1	10-07-2004	Vassberg et al.	
		US-3,136,504	08-09-1964	Carr	
		US-3,992,979	11-23-1976	Smith	
		US-4,120,470	10-17-1978	Whitener	
		US-4,240,255	12-23-1980	Benilan	
		US-4,441,675	04-10-1984	WILFRED E. BOEHRINGER	
		US-4,498,646	02-12-1985	HANS-JORG PROKSCH	
		US-4,533,096	08-06-1985	MICHAEL E. BAKER	
		US-4,576,347	03-18-1986	ALLAN W. OPSAHL	
		US-5,074,495	12-24-1991	Raymond	
		US-5,207,400	05-04-1993	ROBERT L. JENNINGS	
		US-5,259,293	11-09-1993	Brunner	
		US-5,680,124	10-21-1997	JEFFREY C. BEDELL	
		US-5,686,907	11-11-1997	JEFFREY C. BEDELL	
		US-5,788,190	08-04-1998	GEOFFREY L. SIERS	
	✓		US-6,076,767	06-20-2000	Farley et al.
		US-6,499,577-A1	12-31-2002	Kitamoto et al.	
SH		US-6,651,930	11-25-2003	Gautier et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SH		Drela, M., "Optimization Techniques In Airfoil Design," MIT Aero & Astro, 29 pages date unknown.	
↓		HANSEN, H., "Application of Mini-Trailing-Edge Devices in the Awiator Project," Airbus Deutschland, EGAG, Hunefeldstr. 1-5, D-28199 Bremen, Germany, 9 pages 11/03	
↓		Junkers JU 52/3M (2 pages); http://www.wpaib.af.mil/museum/outdoor/od16 [Accessed 8/7/03]	
SH		Petrov, A.V., "Certain Types of Separated Flow over Slotted Wings," Fluid Mechanics - Soviet Research, Vol 7, No. 5, September-October 1978	
Examiner Signature	S Holzen		Date Considered 5-31-07

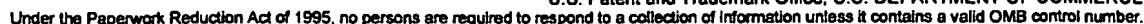
Substitute for form 1449A/B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/789,100-Conf. #7692
				Filing Date	February 27, 2004
				First Named Inventor	Douglas S. Lacy
				Art Unit	3644
				Examiner Name	S. A. Holzen
Sheet	2	of	2	Attorney Docket Number	030048107US

SH		The High Speed Frontier, Chapter 2: The High-Speed Airfoil Program, "SUPERCritical" AIRFOILS, 1957-1978 (4 pages); http://www.hq.nasa.gov/office/pao/History/SP-445/ch2-5.htm ; [accessed 08-07-2003]	
↓		TU 1-44 Canard, 1 pg, date unknown	
SH		Whitcomb, Richard T., "Review of NASA Supercritical Airfoils," National Aeronautics and Space Administration, August 1974 (pages 8-18)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	S. Holzen	Date Considered	5-31-07
--------------------	-----------	-----------------	---------

**Complete if Known**

Application Number	10/789,100-Conf. #7692
Filing Date	February 27, 2004
First Named Inventor	Douglas S. Lacy
Art Unit	3644
Examiner Name	S. A. Holzen
Attorney Docket Number	030048107US

(Use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)			
SH		US-09/714,026	11-16-2000	Sakurai	
		US-10/746,883		Boorman	
		US-10/746,912		Boorman	
		US-10/787,644		Tafs et al.	
		US-10/798,749		Sandell et al.	
		US-10/814,369		Chen et al.	
		US-10/814,494		Gunn et al.	
		US-10/815,034		Crane et al.	
		US-2,086,085	07-06-1937	Lachmann et al.	
		US-2,563,453	08-07-1951	Briend	
		US-20020046087-A1	04-18-2002	Hey	
		US-20020074459-A1	03-25-2003	Gleine et al.	
		US-20020100842-A1	08-01-2002	Perez	
		US-2003-0058134	03-27-2003	Lance Sherry	
		US-2003-0132860	07-17-2003	Thea Feyereisen	
		US-20030058134-A1	03-27-2003	Sherry et al.	
		US-20030132860	07-17-2003	Feyereisen et al.	
		US-20040059474-A1	03-25-2004	Boorman et al.	
		US-3,013,748	12-19-1961	Westburg	
		US-3,089,666	05-14-1963	Quenzler	
		US-3,203,647	08-31-1965	Alvarez-Calderon	
		US-3,528,632	09-15-1970	Miles et al.	
		US-3,767,140	10-23-1973	Johnson	
		US-3,827,658	08-06-1974	Hallworth	
		US-3,987,983		Cole	
		US-4,283,029	08-11-1981	Rudolph	
		US-5,050,081	09-17-1991	Abbott et al.	
		US-5,420,582	05-30-1995	WOLFGANG KUBBAT	
		US-5,839,698	11-24-1998	Moppert	
		US-5,978,715	11-02-1999	MICHEL BRIFFE	
		US-6,745,113	12-11-2003	John Griffin	
SH		US-6,802,475-A1	10-12-2004	Davies et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ² -Number ³ -Kind Code ⁴ (if known)	MM-DD-YYYY			

Examiner Signature	<i>W. H. H. H. H.</i>	Date Considered	5-31-87
-----------------------	-----------------------	--------------------	---------



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/789,100-Conf. #7692
		Filing Date	February 27, 2004
		First Named Inventor	Douglas S. Lacy
		Art Unit	3644
		Examiner Name	S. A. Holzen
Sheet 1 of 2	Attorney Docket Number	030048107US	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SH		US-20050109876-A1	05-28-2005	Jones	
		US-20080000952-A1	01-05-2006	Rampton et al.	
		US-20060049308-A1	03-09-2006	Good et al.	
		US-1,724,456	08-13-1929	Crook	
		US-2,406,475	08-27-1946	Rogers	
		US-2,444,283	06-18-1943	Holt	
		US-3,642,234	02-15-1972	Kamber et al.	
		US-3,897,029	07-29-1975	Calderon	
		US-3,904,152	09-09-1975	Hill	
		US-3,917,192	11-04-1975	Alvarez-Calderon	
		US-4,202,519	05-13-1980	Fletcher	
		US-4,360,176	11-23-1982	Brown	
		US-4,528,775	07-16-1985	Einarsson	
		US-4,544,117	10-01-1985	Schuster	
		US-4,575,099	03-11-1986	Nash	
		US-4,712,752	12-15-1987	Victor	
		US-4,823,836	04-25-1989	Bachmann et al.	
		US-4,838,503	06-13-1989	Williams et al.	
		US-5,542,684	08-08-1996	Squirrel	
		US-6,349,903-A1	02-28-2002	Calon et al.	
		US-6,870,490-A1	03-22-2005	Sherry et al.	
		US-6,978,971-A1	12-27-2005	Oun	
		US-7,028,948-A1	04-18-2006	Pitt	
		US-7,048,228-A1	05-23-2006	Vassberg et al.	
		US-7,048,235-A1	05-23-2006	McLean et al.	
		US-7,059,563-A1	06-13-2006	Huynh	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		DE-1129379	05-10-1962	Dornier Werke GMBH	
		DE-387833	01-04-1924	Handley Page Ltd.	
		EP-0100775 A1	02-22-1984	The Boeing Company	
		EP-0781704 A1	02-07-1997	The Boeing Company	
		FR-56121	09-17-1952	Holste Max-Louis	
		FR-57988	09-18-1953	Lemoigne Pierre-Marcel	
		FR-58273	11-18-1953	Lemoigne Pierre-Marcel	
		FR-705155	06-02-1931	Bechereau Louis	
		FR-984443	07-05-1951	Holste Max-Louis	
		GB-1181991 A	02-18-1970	Lanier	

Examiner Signature	/Stephen Holzen/ (01/11/2007)	Date Considered	
--------------------	-------------------------------	-----------------	--

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/789,100-Conf. #7692
				Filing Date	February 27, 2004
				First Named Inventor	Douglas S. Lacy
				Art Unit	3844
				Examiner Name	S. A. Holzen
Sheet	2	of	2	Attorney Docket Number	030048107US

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SH		Leaf Spring Retainer Seals; EMP, Inc.; 2 pgs, <u>Assessed April 27, 2005</u>	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Stephen Holzen/ (01/11/2007)	Date Considered	
-----------------------	-------------------------------	--------------------	--